



OPTIONS

The Unidrive **SD** provides application and system designers with an incredibly flexible drive platform, which is easily modified by an extensive range of sophisticated SM option modules that can be used singly or in combination for economical and space saving solutions. SM option modules install easily into any of the three option slots, with no tools required. The I/O, feedback, memory, communication and application modules enable the Unidrive **SD** to provide an optimised solution regardless of the demands of the application. A complete range of other accessories are available to simplify system integration and meet system design criteria.

Options At-A-Glance

Option	Description	Order Code
Drive Configuration and Programming	Cloning and Programme Storage Card Configuration Tool Communications Cable	Smart Card*** CTSoft*** CT Comms Cable
Operator Interface	No Keypad LED Keypad Backlit LCD Keypad Operator Interfaces HMI	As standard SM-Keypad SM-Keypad Plus See section 12.3 for details
Power Accessories	Internal Fitting Brake Resistor Panel Mounting DB Resistors E Stop Duty Wall Mounting DB Resistors Cyclic Duty Internal Fitting EMC Filter External Fitting EMC Filters	SM - Heatsink DBR To fit drive To fit drive As standard To fit drive
Motor Feedback	Universal Encoder Feedback Second Encoder Feedback Resolver Input Feedback Encoder Terminal Connector	SM-Universal Encoder Plus SM-Encoder Plus SM-Resolver** SM-ETC
Input/Output	Extra I/O Extra I/O with Real Time Clock Extended I/O Double Insulated Extended I/O 120V I/O Remote Network I/O	SM-I/O Lite SM-I/O Timer SM-I/O Plus SM-PELV SM-I/O 120V Beckhoff I/O
Communication	Modbus RTU (Standard) PROFIBUS-DP INTERBUS DeviceNet CTNet CAN Interface CANopen SERCOS Interface SERCOS Ethernet	SM-Applications* SM-PROFIBUS-DP SM-INTERBUS SM-DeviceNet SM-Applications SM-CAN SM-CANopen SM-SLM SM-SERCOS SM-Ethernet
Application Co-processor Modules	System Programming System Programming Motion Made Easy	SM-Applications SM-Applications Lite SM-EZMotion**
Application Programming Software	SyPT Lite (IEC61131-3) SyPT Pro (IEC61131-3) PowerTools Pro	Free with Unidrive SD SyPT Pro Free download from Control Techniques.com
Solutions Software	Dual Mode Winder Flying Shear Control Fan and Pump Duty Assist	SSP-4000-0010 SSP-4000-0020 SSP-4000-0030

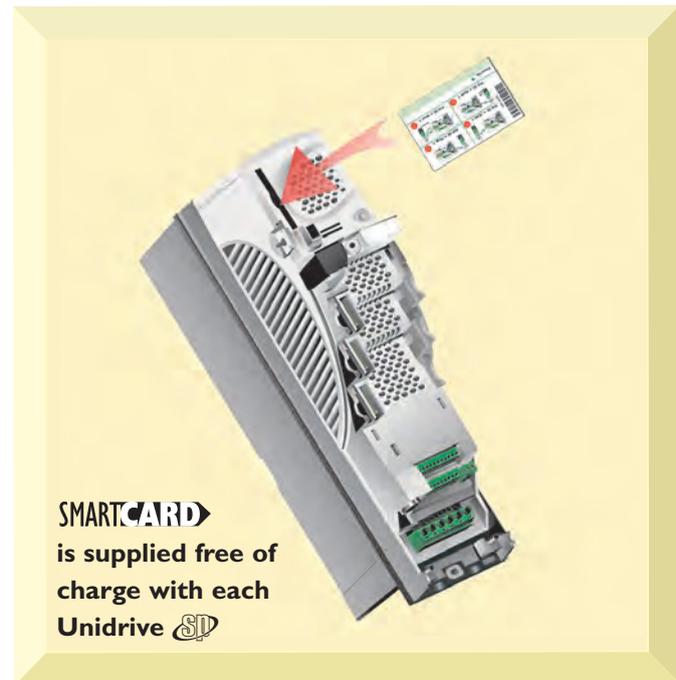
* Provides additional Modbus RTU port.
** Only one of these modules per drive.
*** Supplied as standard with Unidrive **SD**

DRIVE CONFIGURATION AND PROGRAMMING

SMARTCARD

This is a **standard** feature that enables simple configuration of parameters in a variety of ways. The SMARTCARD can:

- 'Clone' a complete set of parameters for serial production
- Save multiple complete sets of parameters
- Set up an application as parameter differences from default
- Automatically save all user parameter changes for maintenance purposes
- Load complete motor map parameters
- Set up an application as parameter differences from default
- Read/write SMARTCARD information from within SM-Applications and SM-Applications Lite



The drive only communicates with the SMARTCARD when commanded to read or write, meaning the card may be "hot swapped".